PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference KW303PC	FOR FURTHER ACTION	See Form PC	Т/ІРЕА/416			
International application No. PCT/JP2004/018536	International filing date (day/m 07.12.2004	onth/year) Priority date (08.12	(day/month/year) . 2003			
International Patent Classification (IPC) or national classification and IPC H03M13/25, H04L27/12, H04L27/14						
Applicant KABUSHIKI KAISHA KENWOOD						
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.						
2. This REPORT consists of a total of	2. This REPORT consists of a total of sheets, including this cover sheet.					
3. This report is also accompanied by A	ANNEXES, comprising:					
a. (sent to the applicant and	d to the International Bureau) a to	otal of 3	sheets, as follows:			
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental						
Box. b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))						
	, containing a sequence listing and/or tables					
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relat	ing to the following items:					
Box No. I Basis of th	Box No. I Basis of the report					
Box No. II Priority						
Box No. III Non-establ	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of un	No. IV Lack of unity of invention					
DON TION	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain do	Certain documents cited					
Box No. VII Certain de	ertain defects in the international application					
Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of c	ompletion of this report				
Name and mailing address of the IPEA/JP		Authorized officer				
Facsimile No.		Telephone No.				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/018536

Box	No. I	Basis of the report					
1.	1. With regard to the language , this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.						
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of: international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4)						
		international preliminary examination (Rule 55.2 and/o	or 55.3)				
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished the description:						
		pages _ 1-16		as originally filed/furnished			
		pages*	received by this Authority on				
		pages*	received by this Authority on				
	\boxtimes	the claims:					
		nos. 2		as originally filed/furnished			
		nos.*	as amended (togethe	r with any statement) under Article 19			
		nos.* _5,7	received by this Authority on	07.10.2005			
		nos.* 1,3,6,9,10	received by this Authority on	10.01.2006			
	\boxtimes	the drawings:					
		sheets fig. 1-8		as originally filed/furnished			
		sheets*	received by this Authority on				
		sheets*	received by this Authority on				
		a sequence listing and/or any related table(s) – see Supplement	ental Box Relating to Sequence L	isting.			
3.	\boxtimes	The amendments have resulted in the cancellation of:	The amendments have resulted in the cancellation of:				
		the description, pages					
		the claims, nos. 4,8					
		Also Associates also de (6)					
		the sequence listing (specify):					
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fil	ments annexed to this report and	listed below had not been made, since			
		the description, pages					
		the claims, nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
*	If ite	em 4 applies, some or all of those sheets may be marked "supe	rseded."				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

PCT/JP2004/018536

 Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

 1.
 Statement
 Novelty (N)
 Claims
 2, 3, 5, 7
 YES

 Claims
 1, 6, 9, 10
 No

 Inventive step (IS)
 Claims
 1, 5-7, 9, 10
 No

 Industrial applicability (IA)
 Claims
 1-3, 5-7, 9, 10
 YES

 Claims
 1-3, 5-7, 9, 10
 YES

 Claims
 1-3, 5-7, 9, 10
 YES

2. Citations and explanations (Rule 70.7)

Document 1: JP 2003-174485 A (Sony Corp.), 20 June 2003, entire text, all drawings & WO 2003/049392

A1

Document 2: JP 11-220762 A (NTT Mobile Communications Network Inc.), 10 August 1999, entire text, all drawings & US 6512748 B1

Document 3: WO 2003/063465 A1 (Aviom, Inc.), 31 July 2003, claim 1; page 13, line 26 to page 15, line 10; and page 17, lines 7 to 18 & JP 2005-516485 A & US 2003/0161324 A1 & US 2003/0161347 A1 & US 2003/0161354 A1 & US 2003/0165163 A1 & US 2003/0167425 A1 & EP 1476947 A1

Document 3 is newly cited in the present international preliminary report on patentability.

Claims 1, 6, 9 and 10

Document 3, which is newly cited in the present international preliminary report on patentability, discloses a transmission device for applying an error correction algorithm (i.e., "generating encoded data by adding redundant bits") to only the 11 high-priority bits

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

(i.e., the "prescribed set of important bits") among the 24 bits that constitute the audio or video information and then transmitting the resulting audio or video information; therein, document 3 also discloses a reception device for receiving the information in question.

Claims 5 and 7

Document 2 discloses a technique for modulating and demodulating by means of a multi-value FSK system.

Such being the case, it is thought that a person skilled in the art could employ the multi-value FSK system disclosed in document 2 as the signal transceiver in the invention disclosed in document 3, as appropriate.

Claims 2 and 3

Documents 1 and 3 do not disclose or suggest the feature wherein redundant bits are added to prescribed sets of important bits so as to increase the Euclidean distance between the sets of data to which the redundant bits are added, or the feature wherein redundant bits are added to prescribed sets of important bits so as to generate a gray code.